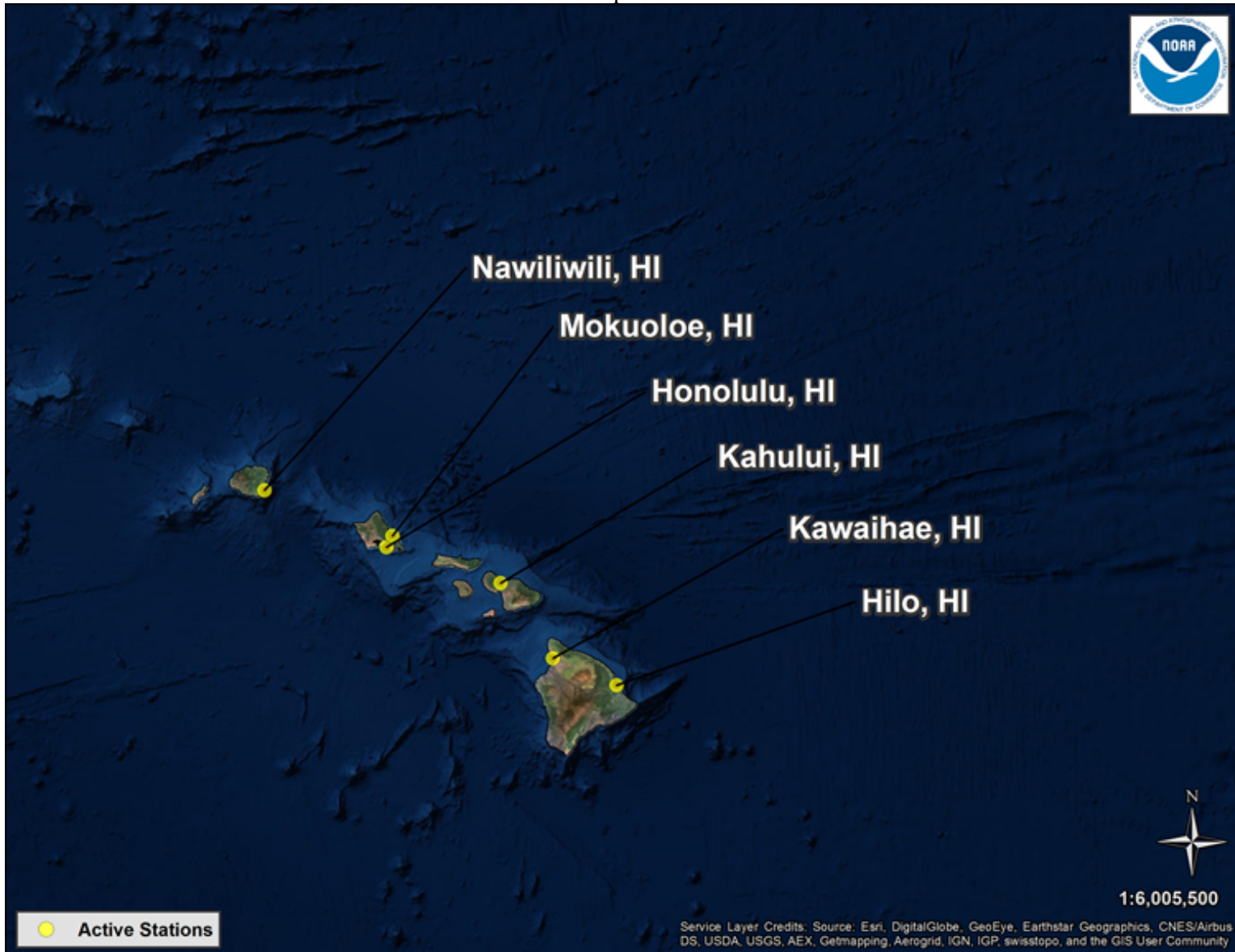




Tropical Storm MADELINE QuickLook Posted: 06:00 HST 09/01/2016

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 9/01/2016 06:00 HST, water levels across the Hawaiian Islands are slightly elevated and range between 0.4 and 0.7 feet above normal tide levels. Madeline is weakening and passing just south of the Island of Hawaii. Winds are generally 10 to 20 knots with gusts up to 25 knots. Gusts 25 to 35 knots were observed at Honolulu and Kawaihae. Barometric pressure is starting to rise across the Hawaiian Islands.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For more information or archived products and reports, please see the Storm QuickLook Homepage.

No further QuickLooks will be posted for this storm unless oceanographic conditions warrant and/or the Central Pacific Hurricane Center (CPHC) issues a new tropical storm or hurricane warning for the U.S. or its territories.

Analyst: ADM

SELECT CENTRAL PACIFIC HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM MADELINE ADVISORY NUMBER 25
NWS CENTRAL PACIFIC HURRICANE CENTER HONOLULU HI
500 AM HST THU SEP 01 2016

...MADELINE MOVING AWAY FROM HAWAII BUT GUSTY WINDS CONTINUE OVER THE ISLANDS...

WATCHES AND WARNINGS

There are no coastal watches or warnings in effect.

Interests on Johnston Island should monitor the progress of Madeline.

DISCUSSION AND 48-HOUR OUTLOOK

At 500 AM HST, the center of Tropical Storm Madeline was located ABOUT 180 MI SSW OF SOUTH POINT HAWAII and ABOUT 325 MI S OF HONOLULU HAWAII. Madeline is moving toward the west near 14 mph and this general motion is expected to continue for the next couple of days.

Maximum sustained winds are near 50 mph with higher gusts. Some weakening is forecast during the next 48 hours, and Madeline is forecast to become a Tropical Depression by Friday.

Tropical-storm-force winds extend outward up to 90 miles from the center.

The estimated minimum central pressure is 1003 mb.

HAZARDS AFFECTING LAND

WIND: Tropical storm force gusts are still possible over portions of Hawaii and Maui Counties for the next few hours.

SURF: Swells and surf generated by Madeline will gradually diminish across the Hawaiian Islands today.

RAIN: Rainfall in association with Madeline will diminish over Hawaii and Maui Counties today.

NEXT ADVISORY

Next complete advisory at 1100 AM HST.

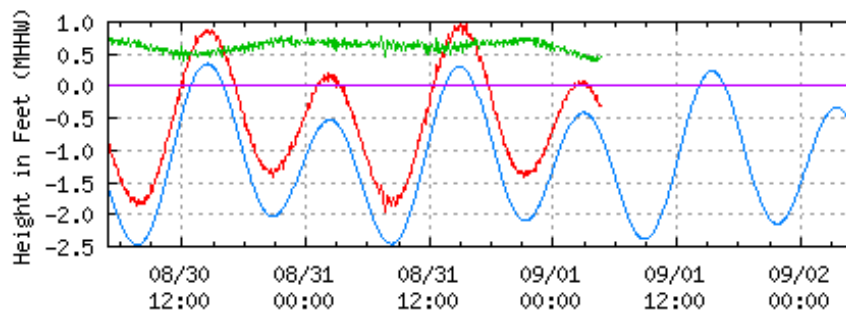
\$\$

Forecaster Birchard

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Hilo, Hilo Bay, Kuhio Bay - Water Level](#), [Hilo, Hilo Bay, Kuhio Bay - Winds](#), [Hilo, Hilo Bay, Kuhio Bay - Barometric](#), [Kawaihae - Water Level](#), [Kawaihae - Winds](#), [Kawaihae - Barometric](#), [Kahului, Kahului Harbor - Water Level](#), [Kahului, Kahului Harbor - Winds](#), [Kahului, Kahului Harbor - Barometric](#), [Mokuoloe - Water Level](#), [Mokuoloe - Winds](#), [Mokuoloe - Barometric](#), [Honolulu - Water Level](#), [Honolulu - Winds](#), [Honolulu - Barometric](#), [Nawiliwili - Water Level](#), [Nawiliwili - Winds](#), [Nawiliwili - Barometric](#)

NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 09/01/2016 04:36 (HST). Data relative to MHHW

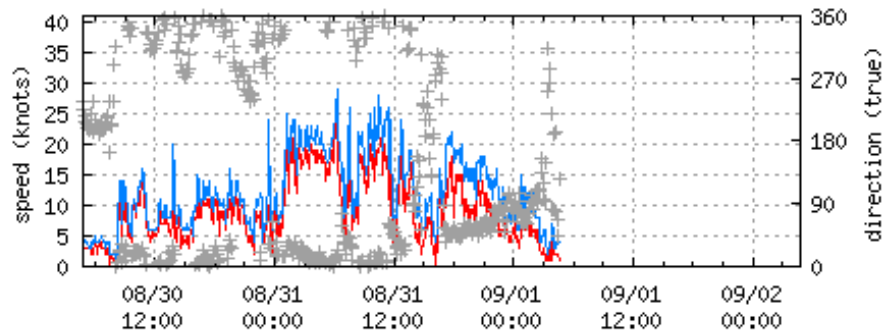
Observed: -0.30 ft. Predicted: -0.76 ft. Residual: 0.46 ft.

Historical Maximum Water Level: Jan 20 1981, 1.37 ft.

Next High Tide: 09/01/2016 15:25 (HST), 0.23 ft.

NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI

Wind Speed / Gusts / Direction

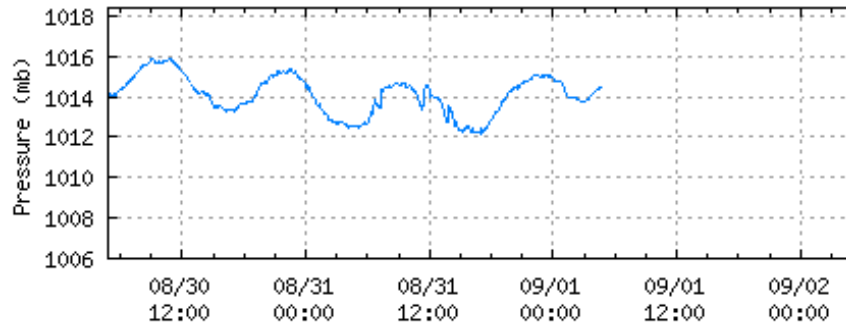


speed — gusts — direction +

Last Observed Sample: 09/01/2016 04:36 (HST)

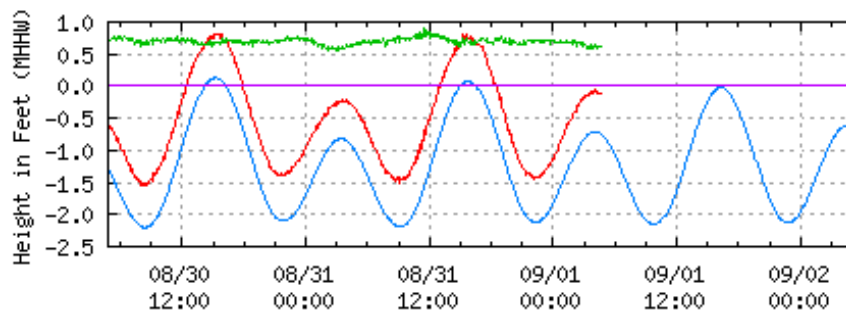
Wind Speed: 1 knots Gusts: 4 knots Direction: 125° T

NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI
Barometric Pressure



barometric pressure —
Last Observed Sample: 09/01/2016 04:36 (HST)
Barometric Pressure: 1014.5 mb

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI
Preliminary Water Level, relative to Mean Higher High Water (MHHW)

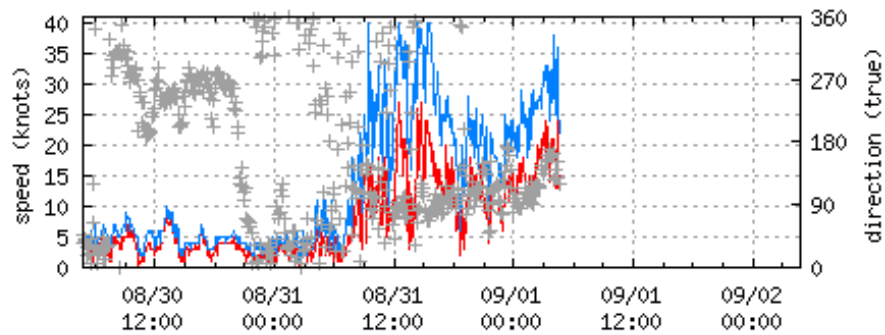


Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 09/01/2016 04:36 (HST). Data relative to MHHW
Observed: -0.13 ft. Predicted: -0.74 ft. Residual: 0.61 ft.
Historical Maximum Water Level: Dec 13 2008, 1.22 ft.
Next High Tide: 09/01/2016 16:18 (HST), -0.02 ft.

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI

Wind Speed / Gusts / Direction



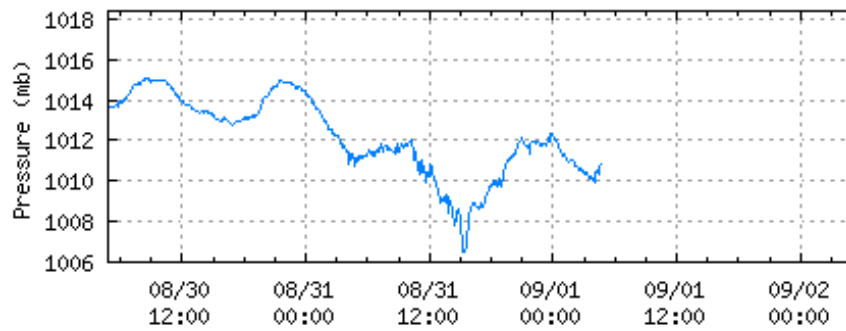
speed — gusts — direction +

Last Observed Sample: 09/01/2016 04:36 (HST)

Wind Speed: 15 knots Gusts: 22 knots Direction: 120° T

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI

Barometric Pressure

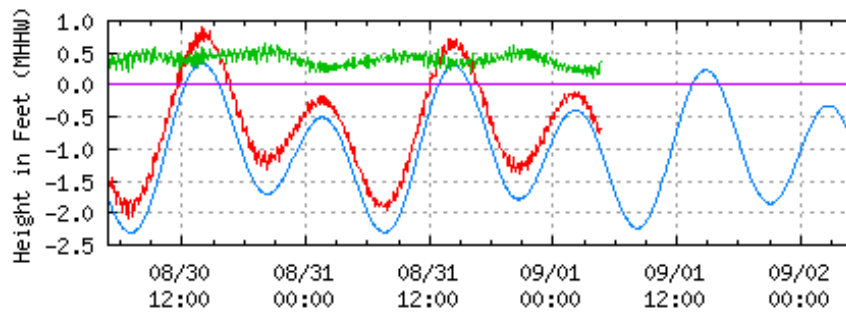


barometric pressure —

Last Observed Sample: 09/01/2016 04:36 (HST)

Barometric Pressure: 1010.8 mb

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

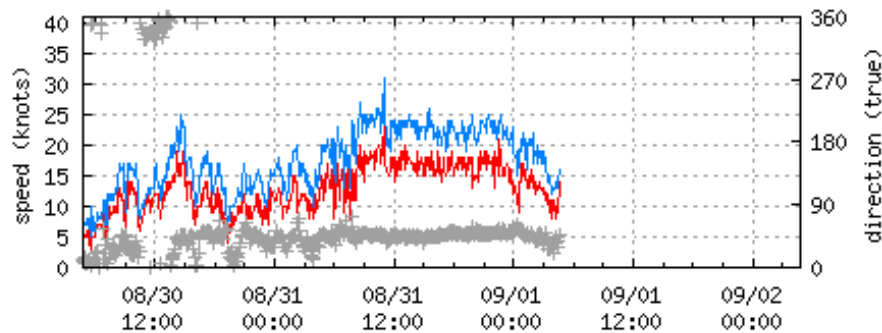
Last Observed Sample: 09/01/2016 04:36 (HST). Data relative to MHHW

Observed: -0.67 ft. Predicted: -1.02 ft. Residual: 0.35 ft.

Historical Maximum Water Level: Dec 20 1968, 1.23 ft.

Next High Tide: 09/01/2016 14:48 (HST), 0.23 ft.

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI
Wind Speed / Gusts / Direction

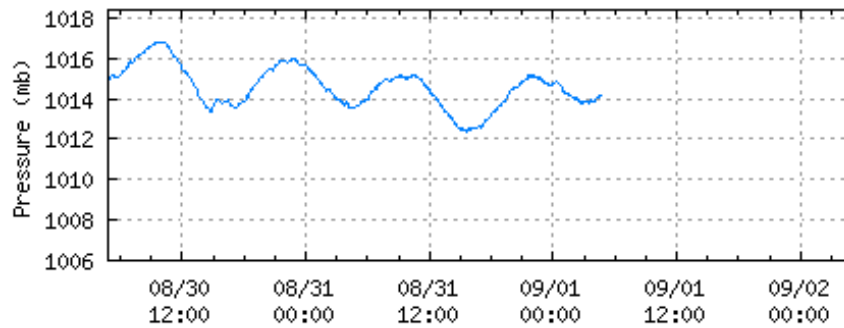


speed — gusts — direction +

Last Observed Sample: 09/01/2016 04:36 (HST)

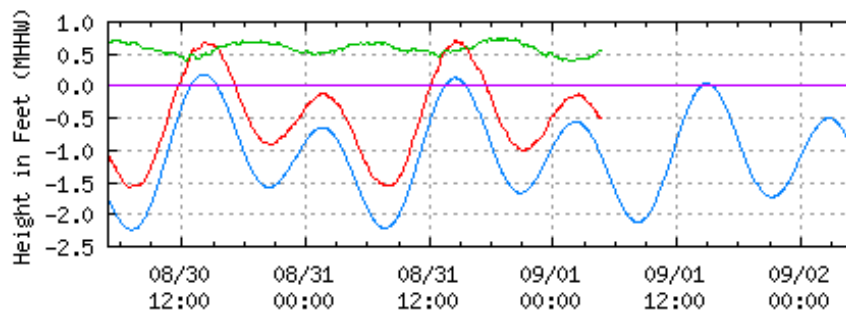
Wind Speed: 14 knots Gusts: 16 knots Direction: 46° T

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI
Barometric Pressure



barometric pressure —
Last Observed Sample: 09/01/2016 04:36 (HST)
Barometric Pressure: 1014.2 mb

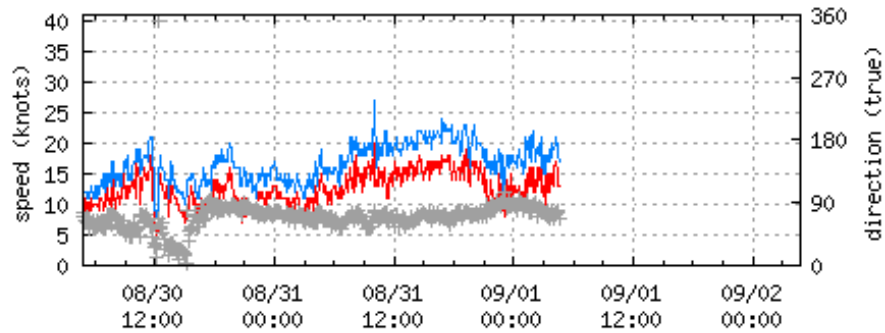
NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Last Observed Sample: 09/01/2016 04:36 (HST). Data relative to MHHW
Observed: -0.51 ft. Predicted: -1.07 ft. Residual: 0.56 ft.
Historical Maximum Water Level: Jan 8 1974, 1.46 ft.
Next High Tide: 09/01/2016 14:56 (HST), 0.04 ft.

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI

Wind Speed / Gusts / Direction



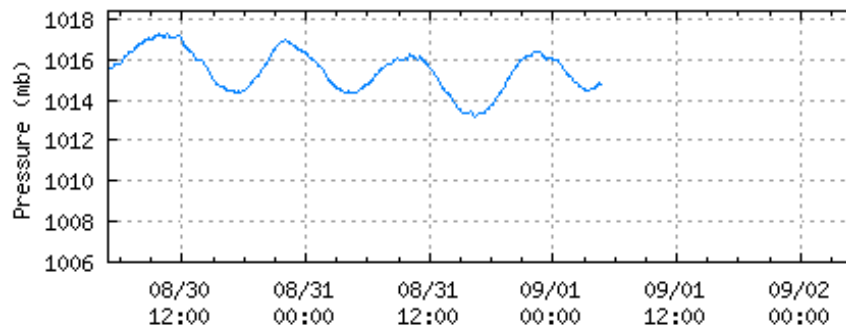
speed — gusts — direction +

Last Observed Sample: 09/01/2016 04:36 (HST)

Wind Speed: 13 knots Gusts: 17 knots Direction: 68° T

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI

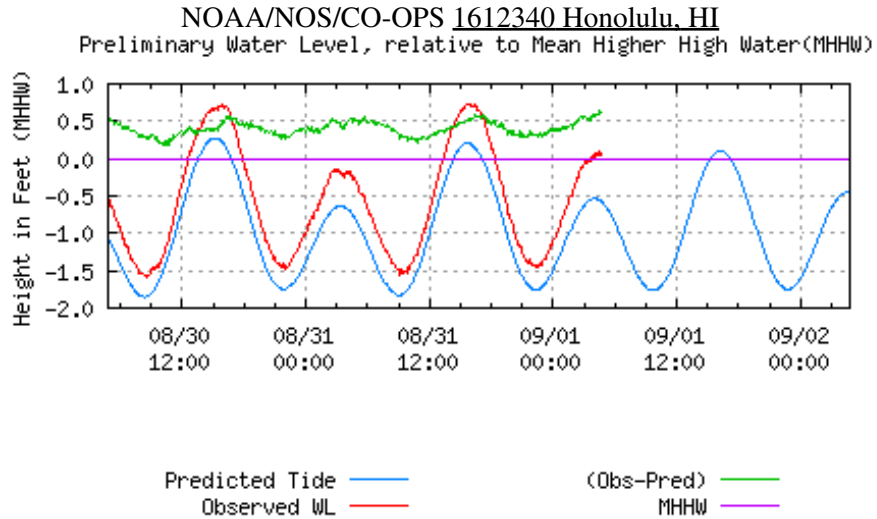
Barometric Pressure



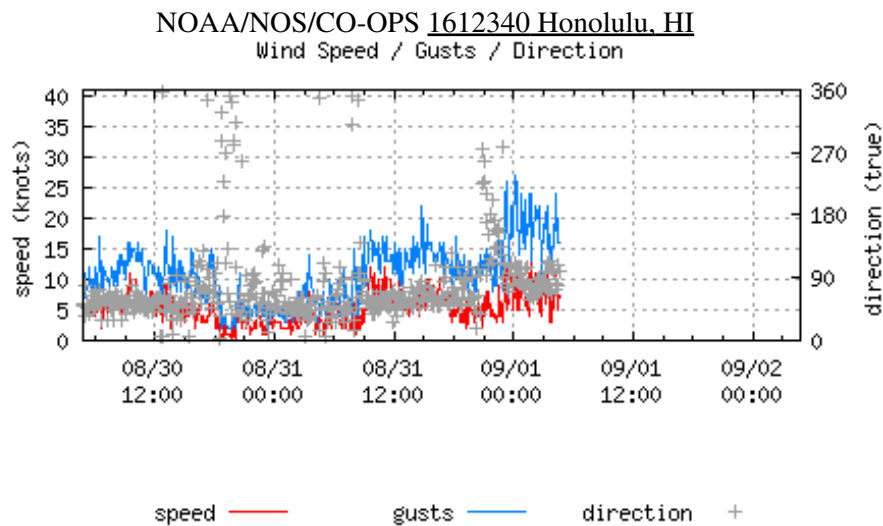
barometric pressure —

Last Observed Sample: 09/01/2016 04:36 (HST)

Barometric Pressure: 1014.8 mb

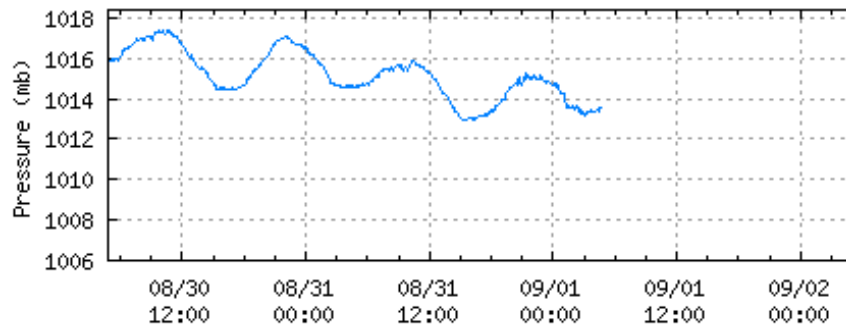


Last Observed Sample: 09/01/2016 04:36 (HST). Data relative to MHHW
Observed: 0.05 ft. Predicted: -0.56 ft. Residual: 0.61 ft.
 Historical Maximum Water Level: Feb 14 1967, 1.49 ft.
 Next High Tide: 09/01/2016 16:15 (HST), 0.10 ft.



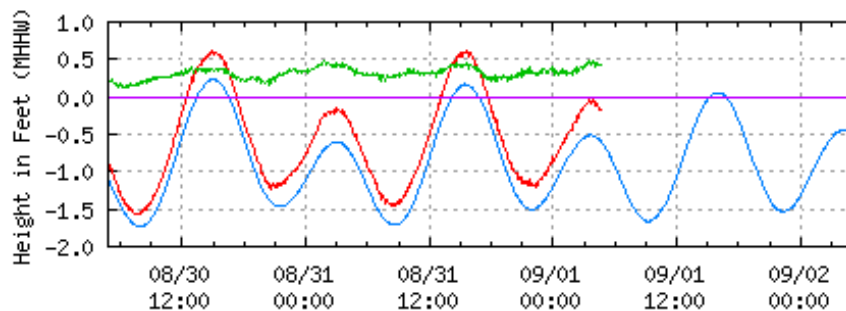
Last Observed Sample: 09/01/2016 04:36 (HST)
Wind Speed: 7 knots Gusts: 16 knots Direction: 100° T

NOAA/NOS/CO-OPS 1612340 Honolulu, HI
Barometric Pressure



barometric pressure —
Last Observed Sample: 09/01/2016 04:36 (HST)
Barometric Pressure: 1013.6 mb

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI
Preliminary Water Level, relative to Mean Higher High Water (MHHW)

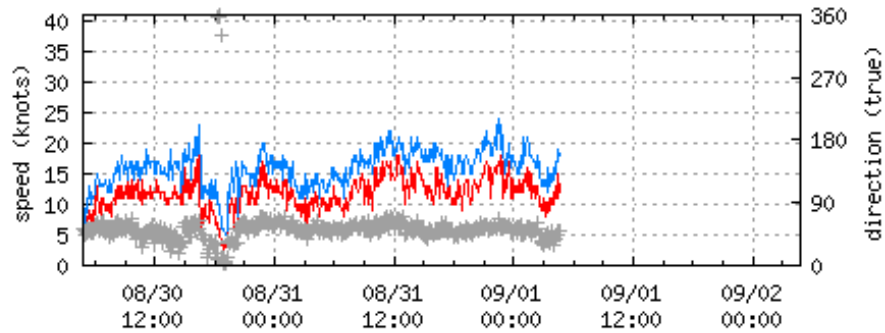


Predicted Tide — (Obs-Pred) —
Observed WL — MHHW —

Last Observed Sample: 09/01/2016 04:36 (HST). Data relative to MHHW
Observed: -0.16 ft. Predicted: -0.59 ft. Residual: 0.43 ft.
Historical Maximum Water Level: Sep 11 1992, 3.15 ft.
Next High Tide: 09/01/2016 16:01 (HST), 0.06 ft.

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI

Wind Speed / Gusts / Direction



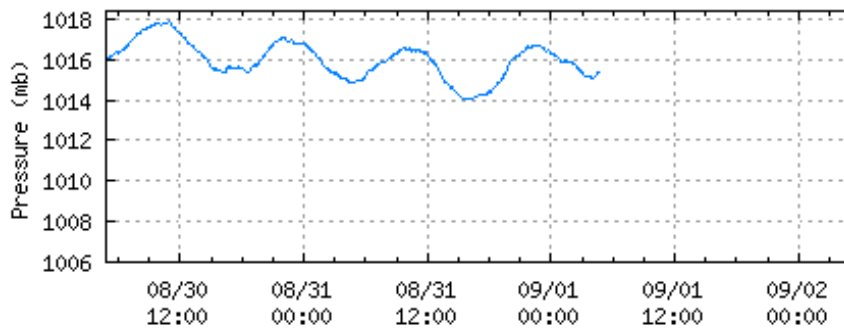
speed — gusts — direction +

Last Observed Sample: 09/01/2016 04:36 (HST)

Wind Speed: 12 knots Gusts: 18 knots Direction: 50° T

NOAA/NOS/CO-OPS 1611400 Nawiliwili, HI

Barometric Pressure



barometric pressure —

Last Observed Sample: 09/01/2016 04:36 (HST)

Barometric Pressure: 1015.4 mb

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
1617760	Hilo, Hilo Bay, Kuhio Bay, HI	09/01/2016 04:36 (HST)	-0.30 ft	-0.76 ft	0.46 ft	0.98 ft
1617433	Kawaihae, HI	09/01/2016 04:36 (HST)	-0.13 ft	-0.74 ft	0.61 ft	0.81 ft
1615680	Kahului, Kahului Harbor, HI	09/01/2016 04:36 (HST)	-0.67 ft	-1.02 ft	0.35 ft	0.71 ft
1612480	Mokuoloe, HI	09/01/2016 04:36 (HST)	-0.51 ft	-1.07 ft	0.56 ft	0.70 ft
1612340	Honolulu, HI	09/01/2016 04:36 (HST)	0.05 ft	-0.56 ft	0.61 ft	0.74 ft
1611400	Nawiliwili, HI	09/01/2016 04:36 (HST)	-0.16 ft	-0.59 ft	0.43 ft	0.62 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce